

1 CLEAN VERSION OF PENDING CLAIMS UNDER 37 C.F.R. §1.121(c)(3)

2 Claims 1-43 now pending are submitted below in accordance with 37  
3 C.F.R. §1.121(c)(3), which presents a clean version of the entire set of pending  
4 claims.

5 *Sub B1* 1. (Once Amended) A method for synchronizing streaming content with  
6 enhancing content comprising the following steps:  
7 receiving an announcement on a monitored address containing information  
8 specifying how and when to receive upcoming enhancing content and being at  
9 least one of broadcast and multicast, the announcement being sent at a time prior  
10 to sending the enhancing content, the enhancing content associated with the  
11 streaming content;  
12 receiving the streaming content;  
13 receiving the enhancing content according to the information contained in  
14 the announcement and at a time in synchronization with the streaming content; and  
15 enhancing the streaming content with the enhancing content.

16  
17 2. (Unchanged) A method as recited in claim 1, wherein the  
18 announcement contains parameters selected from a group comprising: a broadcast  
19 locator, a time when the corresponding enhancing content is to be sent, a protocol,  
20 an identity of the streaming content that the enhancing content enhances, and a  
21 page that contains a starting point for the enhancing content.

22  
23 3. (Unchanged) A method as recited in claim 1, wherein the enhancing  
24 content comprises triggers, and data files, the method further comprising the  
25 following steps:

1 ~~receiving the data files; and~~

2 receiving the triggers at times in synchronization with the streaming  
3 content, the triggers causing operations involving the data files in order too timely  
4 introduce the enhancing content with the streaming content.

5  
6 4. (Unchanged) A method as recited in claim 3, wherein the enhancing  
7 content further comprises dependency files that contain instructions to present  
8 content contained in the data files, the method further comprising the step of  
9 delivering the data files together with the dependency files in a cabinet (CAB) file  
10 format.

11  
12 5. (Unchanged) A method as recited in claim 1, wherein the receiving  
13 steps comprise the step of receiving the streaming content and the enhancing  
14 content in a composite stream of one source.

15  
16 6. (Unchanged) A method as recited in claim 1, wherein the receiving  
17 steps comprise the following steps:

18 receiving the streaming content from a first source; and

19 receiving the enhancing content from a second source different from the  
20 first source.

21  
22 7. (Unchanged) A method as recited in claim 1, further comprising the  
23 step of displaying the enhancing content as a ticker.

24  
25 8. (Unchanged) A computer-readable medium having computer-

1 executable instructions for performing the steps of the method as recited in claim  
2 1.

3  
4 9. (Once Amended) A method for synchronizing streaming content  
5 with enhancing content comprising the following steps:

6 forming announcements containing information specifying a first address  
7 and a time at which to receive upcoming triggers;

8 sending the announcements by one of broadcast and multicast to a second  
9 address;

10 monitoring the second address to receive the announcements;

11 filtering the announcements to retain selected announcements;

12 monitoring the first address at the time specified in the selected  
13 announcements to receive the triggers; and

14 processing the triggers to coordinate presentation of the enhancing content  
15 with the streaming content.

16  
17 10. (Unchanged) A method as recited in claim 9, wherein the forming  
18 step comprises the step of creating an announcement to contain parameters  
19 selected from a group comprising: a broadcast locator, a time when a  
20 corresponding trigger is to be broadcast, a broadcast protocol, an identity of the  
21 streaming content that the enhancing content enhances, and a page that contains a  
22 starting point for the enhancing content.

23  
24 11. (Unchanged) A method as recited in claim 9, wherein the  
25 processing step comprises the step of receiving the enhancing content according to

1 a predetermined protocol and storing the enhancing content.

2  
3 12. (Unchanged) A method as recited in claim 9, wherein the  
4 processing step comprises the step of navigating within a container HTML page.

5  
6 13. (Unchanged) A method as recited in claim 9, wherein the  
7 processing step comprises the step of invoking a script within a container HTML  
8 page.

9  
10 14. (Unchanged) A method as recited in claim 9, further comprising the  
11 step of sending the enhancing content together with the triggers.

12  
13 15. (Unchanged) A method as recited in claim 9, further comprising the  
14 step of delivering the streaming content, the enhancing content, and the triggers  
15 from a same source.

16  
17 16. (Unchanged) A method as recited in claim 9, further comprising the  
18 following steps:

19 delivering the enhancing content from a first source; and

20 delivering the streaming content and the triggers from a second source  
21 different from the first source.

22  
23 17. (Unchanged) A method as recited in claim 9, further comprising the  
24 step of displaying the enhancing content together with the streaming content.  
25

1        18.    (Unchanged) A method as recited in claim 9, wherein the enhancing  
2 content comprises a ticker, and further comprising the following steps:  
3        delivering triggers that contain items for the ticker;  
4        displaying the ticker together with the streaming content; and  
5        presenting the items from the triggers within the ticker.

6  
7        19.    (Unchanged) Computer-readable media distributed at a content  
8 provider and a client and having computer-executable instructions for performing  
9 the steps of the method as recited in claim 9.

10  
11       20.    (Unchanged) A method comprising the following steps:  
12       displaying streaming content;  
13       monitoring an announcement address to receive announcements pertaining  
14 to enhancing content for enhancing the streaming content, the announcements  
15 containing information that specify a trigger address and times at which to receive  
16 upcoming triggers;  
17       filtering the announcements to retain selected announcements;  
18       storing the selected announcements;  
19       monitoring the trigger address at the times specified in the selected  
20 announcements to receive corresponding triggers; and  
21       processing the triggers to cause one of the following events to occur: (1)  
22 receive one or more data files having the enhancing content, or (2) utilize the  
23 enhancing content in the data files to enhance the streaming content.

24  
25       21.    (Unchanged) A method as recited in claim 20, further comprising

1 ~~the step of caching the data files.~~

2  
3 **22.** (Unchanged) A method as recited in claim 20, further comprising  
4 the step of presenting the streaming content and the enhancing content using an  
5 HTML page.

6  
7 **23.** (Unchanged) A method as recited in claim 20, further comprising  
8 the following steps:  
9 using information from the trigger to invoke a script; and  
10 executing the script to enhance the streaming content.

11  
12 **24.** (Unchanged) A method as recited in claim 20, further comprising  
13 the following steps:  
14 receiving triggers that contain items for a ticker;  
15 displaying the ticker together with the streaming content; and  
16 presenting the items from the triggers within the ticker.

17  
18 **25.** (Unchanged) A computer-readable medium having computer-  
19 executable instructions for performing the steps of the method as recited in claim  
20 20.

21  
22 **26.** (Unchanged) A method comprising the following steps:  
23 monitoring an IP (Internet Protocol) address to receive triggers, each trigger  
24 containing at least one item for a ticker;  
25 forming an array of the items received in the triggers; and

1 displaying the array within the ticker.  
2

3 27. (Unchanged) A method as recited in claim 26, further comprising  
4 the step of receiving announcements at another IP address, the announcements  
5 being used to announce upcoming transmissions of the triggers.  
6

7 28. (Unchanged) A computer-readable system having computer-  
8 executable instructions for performing the following steps:

9 monitoring an announcement address to receive announcements pertaining  
10 to enhancing content for enhancing the streaming content, the announcements  
11 containing information that specify a trigger address and a time at which to receive  
12 upcoming triggers;

13 filtering the announcements to retain selected announcements;

14 monitoring the trigger IP address at the time specified in one of the selected  
15 announcements to receive a corresponding trigger; and

16 processing the trigger to cause utilization of the enhancing content to  
17 enhance the streaming content.  
18

19 29. (Unchanged) A computer-readable system having computer-  
20 executable instructions for performing the following steps:

21 monitoring an IP address to receive triggers, each trigger containing at least  
22 one item; and

23 presenting a ticker that contains the items.  
24

25 30. (Once Amended) A system for synchronizing streaming content

1 ~~with enhancing content, comprising:~~

2 at least one content server;

3 a client;

4 the content server being configured to form announcements that contain  
5 information specifying an IP address and a time at which to receive upcoming  
6 triggers, the content server sending the announcements by at least one of  
7 broadcasting and multicasting to the client; and

8 the client being configured to receive the announcements and monitor the  
9 IP address at the time specified in the announcements to receive the triggers, the  
10 client processing the triggers to coordinate presentation of the enhancing content  
11 with the streaming content.

12  
13 31. (Unchanged) A system as recited in claim 30, wherein the  
14 announcements contain parameters selected from a group comprising: a broadcast  
15 locator, a time when a corresponding trigger is to be broadcast, a broadcast  
16 protocol, an identity of the streaming content that the enhancing content enhances,  
17 and a page that contains a starting point for the enhancing content.

18  
19 32. (Unchanged) A system as recited in claim 30, wherein the client  
20 receives the enhancing content according to a predetermined protocol and caches  
21 the enhancing content.

22  
23 33. (Unchanged) A system as recited in claim 30, wherein the client  
24 uses information from the trigger to navigate within a container HTML page.  
25



1           **34.**   (Unchanged) A system as recited in claim 30, wherein the client  
2 uses information from the trigger to invoke a script within a container HTML  
3 page.

4  
5           **35.**   (Unchanged) A system as recited in claim 30, wherein the content  
6 server delivers the streaming content, the enhancing content, and the triggers.

7  
8           **36.**   (Unchanged) A system as recited in claim 30, wherein the content  
9 server delivers the enhancing content and the triggers, and further comprising a  
10 second content server to deliver the streaming content.

11  
12           **37.**   (Unchanged) A system as recited in claim 30, wherein the triggers  
13 contain items for a ticker and the client displays the ticker together with the  
14 streaming content.

15  
16           **38.**   (Unchanged) A client software architecture, comprising:  
17           a video control to play video content;  
18           a listener to monitor an announcement IP (Internet Protocol) address to  
19 receive announcements pertaining to enhancing content for enhancing the video  
20 content, the announcements containing information that specify a trigger IP  
21 address and times at which to receive upcoming triggers;  
22           the listener further monitoring the trigger IP address at the times specified  
23 by the announcements to receive corresponding triggers; and  
24           a rendering component to present the video content and to enhance the  
25 video content with the enhancing content according to instructions received in the

*a!  
cont.*

1 ~~triggers~~

2  
3 39. (Unchanged) A client software architecture as recited in claim 38,  
4 further comprising a storage to hold the announcements in correlation with an  
5 identity of the video content.

6  
7 40. (Unchanged) A client software architecture as recited in claim 38,  
8 further comprising a cache to hold the enhancing content.

9  
10 41. (Unchanged) A client software architecture as recited in claim 38,  
11 wherein the listener and video control are contained within an HTML page  
12 rendered by the rendering component.

13  
14 42. (Unchanged) A client software architecture as recited in claim 41,  
15 wherein the HTML page also has one or more scripts to process the instructions  
16 contained in the triggers.

17  
18 43. (Unchanged) A client software architecture, comprising:  
19 a first code segment for monitoring a broadcast or multicast IP address to  
20 receive triggers, each trigger containing at least one item for a ticker; and  
21 a second code segment for rendering the ticker with the items received via  
22 the triggers.